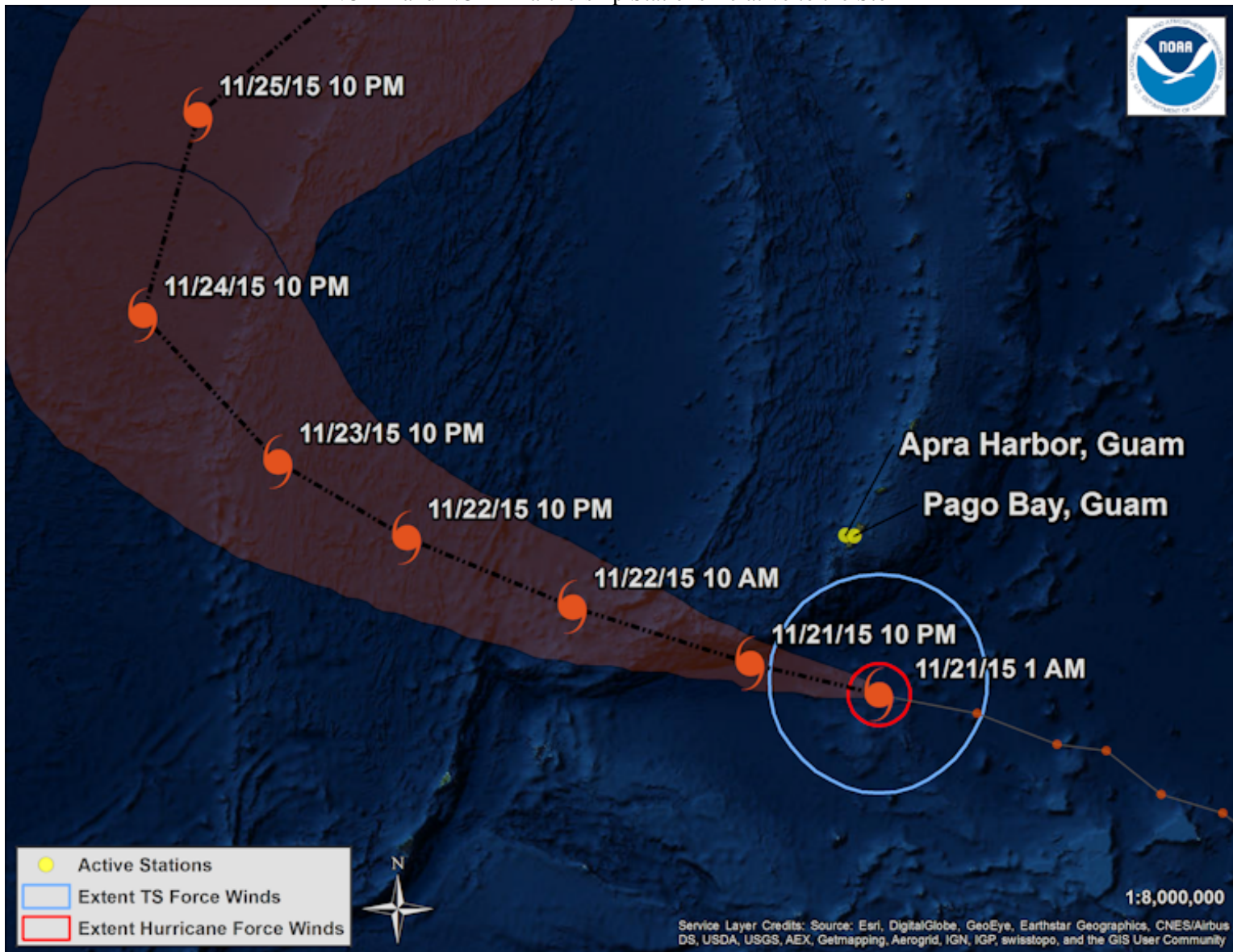




Typhoon IN-FA QuickLook
Posted: 02:30 ChST 11/21/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 11/21/2015 02:30 ChST, water levels at Pago Bay are slightly elevated around 1.0 ft above predicted tide levels; Apra Harbor is currently measuring 0.10 ft below predictions. Winds are around 5-10 knots with gusts up to 20 knots at Pago Bay. Barometric pressure is slowly falling.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

SELECT NATIONAL WEATHER SERVICE GUAM ADVISORY INFORMATION:

TYPHOON IN-FA (27W) ADVISORY NUMBER 15

NATIONAL WEATHER SERVICE TIYAN GU

200 AM CHST SAT NOV 21 2015

...TYPHOON IN-FA SOUTH-SOUTHEAST OF GUAM MOVING WEST...

CHANGES WITH THIS ADVISORY

NONE.

WATCHES AND WARNINGS

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR GUAM. TROPICAL STORM CONDITIONS INCLUDING DAMAGING WINDS OF 39 TO 73 MPH ARE EXPECTED WITHIN 24 HOURS.

DISCUSSION AND OUTLOOK

AT 100 AM CHST THE CENTER OF TYPHOON IN-FA WAS LOCATED BY RADAR ABOUT 185 MILES SOUTH OF GUAM...MOVING WEST AT 18 MPH. IN-FA IS EXPECTED TO RESUME A WEST-NORTHWEST HEADING LATER TODAY WITH A SLIGHT DECREASE IN FORWARD SPEED. THIS MOTION AND TRACK KEEPS IN-FA SOUTH OF GUAM AS IT PASSES BY LATER THIS MORNING.

MAXIMUM SUSTAINED WINDS REMAIN AT 115 MPH. TYPHOON FORCE WINDS EXTEND OUTWARD UP TO 40 MILES FROM THE CENTER. TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 130 MILES NORTH OF THE CENTER...AND UP TO 110 MILES SOUTH OF THE CENTER. IN-FA IS EXPECTED TO INTENSIFY LATER TODAY AND SUNDAY.

NEXT ADVISORY

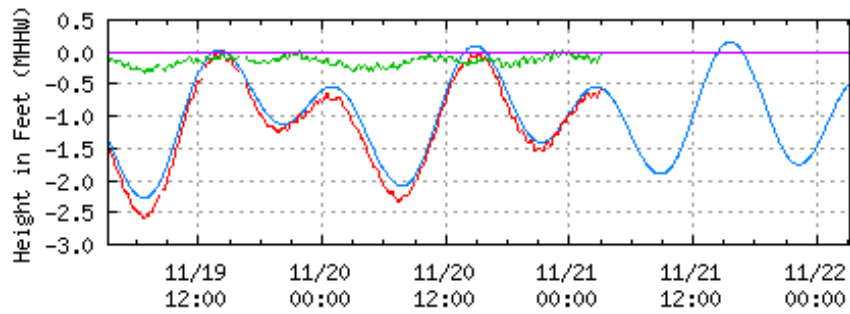
AN INTERMEDIATE ADVISORY WILL BE ISSUED BY THE NATIONAL WEATHER SERVICE AT 500 AM CHST...FOLLOWED BY THE NEXT SCHEDULED ADVISORY AT 800 AM.

W. AYDLETT

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Apra Harbor, Guam - Water Level](#), [Apra Harbor, Guam - Winds](#), [Apra Harbor, Guam - Barometric](#), [Pago Bay, Guam - Water Level](#), [Pago Bay, Guam - Winds](#)

NOAA/NOS/CO-OPS 1630000 Apra Harbor, Guam
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 11/21/2015 03:06 (ChST). Data relative to MHHW

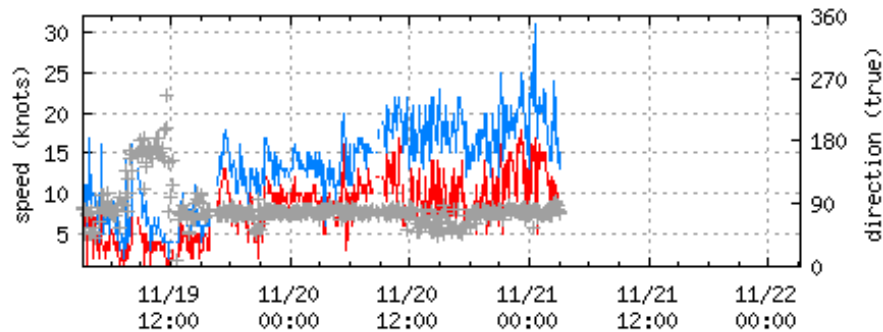
Observed: -0.57 ft. Predicted: -0.56 ft. Residual: -0.01 ft.

Historical Maximum Water Level: Aug 28 1992, 1.95 ft.

Next High Tide: 11/21/2015 15:35 (ChST), 0.16 ft.

NOAA/NOS/CO-OPS 1630000 Apra Harbor, Guam

Wind Speed / Gusts / Direction

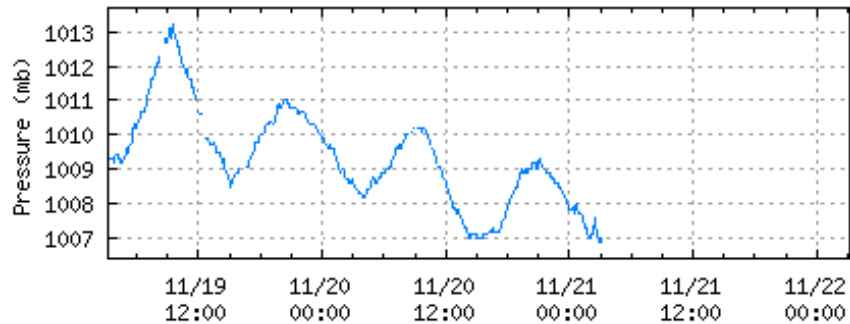


speed — gusts — direction +

Last Observed Sample: 11/21/2015 03:06 (ChST)

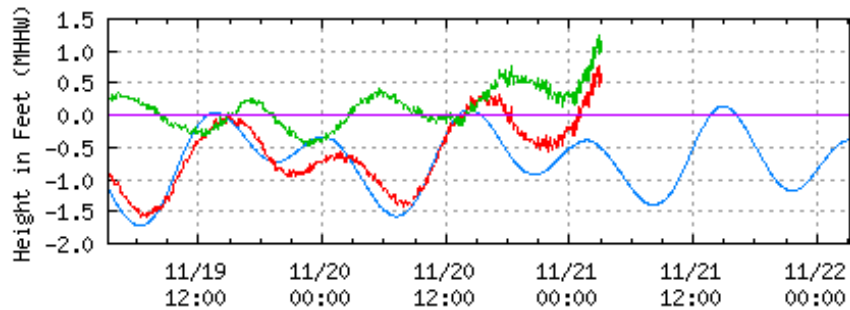
Wind Speed: 9 knots Gusts: 15 knots Direction: 80° T

NOAA/NOS/CO-OPS 1630000 Apra Harbor, Guam
Barometric Pressure



barometric pressure —
Last Observed Sample: 11/21/2015 03:06 (ChST)
Barometric Pressure: 1007.0 mb

NOAA/NOS/CO-OPS 1631428 Pago Bay, Guam
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

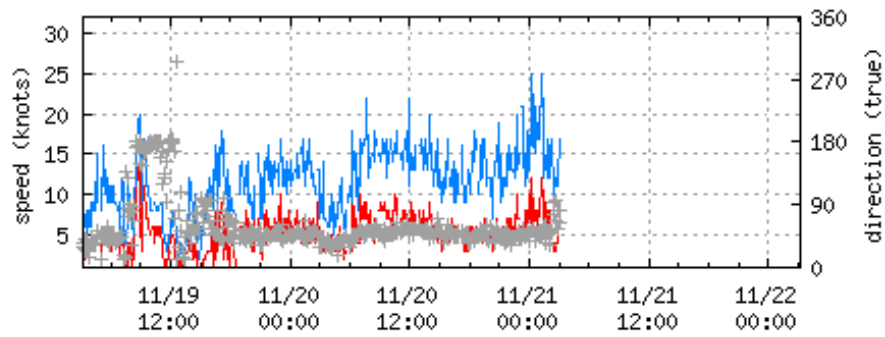


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 11/21/2015 03:06 (ChST). Data relative to MHHW
Observed: 0.64 ft. Predicted: -0.52 ft. Residual: 1.16 ft.
Historical Maximum Water Level: Oct 20 2004, 2.40 ft.
Next High Tide: 11/21/2015 14:55 (ChST), 0.14 ft.

NOAA/NOS/CO-OPS 1631428 Pago Bay, Guam

Wind Speed / Gusts / Direction



speed — gusts — direction +

Last Observed Sample: 11/21/2015 03:06 (ChST)

Wind Speed: 7 knots Gusts: 17 knots Direction: 63° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1630000	Apra Harbor, Guam	11/21/2015 03:06 (ChST)	-0.57 ft	-0.56 ft	-0.01 ft	-0.04 ft
1631428	Pago Bay, Guam	11/21/2015 03:06 (ChST)	0.64 ft	-0.52 ft	1.16 ft	0.76 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce